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OM protein - protein search, using sw model

Run on: June 18, 2003, 15:26:51 ; Search time 13.6581 Seconds
(without alignments)
775.530 Million cell updates/sec

Title: US-09-807-933B-5
Perfect score: 1956
Sequence: 1 MKFLTIASNAIILAVGTEM.....TYKQVTCPKAITAKGCSRK 360

Scoring table: BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.*
1: /cgn2_6/ptodata/1/1aa/5A_COMB.pep.*
2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep.*
3: /cgn2_6/ptodata/1/1aa/6A_COMB.pep.*
4: /cgn2_6/ptodata/1/1aa/6B_COMB.pep.*
5: /cgn2_6/ptodata/1/1aa/CTUS_COMB.pep.*
6: /cgn2_6/ptodata/1/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	747	38.2	225	3	US-08-651-136C-2
2	747	38.2	225	4	US-09-229-911A-2
3	747	38.2	297	3	US-08-651-136C-4
4	747	38.2	297	4	US-09-229-911A-4
5	747	38.2	308	3	US-08-651-136C-6
6	747	38.2	308	4	US-09-229-911A-6
7	745	38.1	299	2	US-08-872-437-2
8	745	38.1	299	3	US-08-651-136C-12
9	745	38.1	299	4	US-09-229-911A-12
10	736	37.6	306	4	US-09-189-060B-68
11	723.5	36.9	376	1	US-08-090-013-4
12	723.5	36.9	376	1	US-08-081-328-4
13	722.5	36.9	376	1	US-08-232-249-4
14	722.5	36.9	376	2	US-08-833-642A-4
15	722.5	36.9	376	2	US-08-389-423-4
16	722.5	36.9	376	4	US-09-230-665-4
17	722.5	36.9	376	4	US-09-189-028-4
18	717	36.7	357	1	US-08-411-777-9
19	717	36.7	357	3	US-09-057-088-9
20	710.5	36.3	349	3	US-08-651-136C-10
21	710.5	36.3	349	4	US-09-229-911A-10
22	704.5	36.0	313	4	US-09-230-665-8
23	704	36.0	306	4	US-09-189-060B-66
24	700.5	35.8	307	4	US-09-189-060B-74
25	698.5	35.7	310	3	US-08-651-136C-22
26	698.5	35.7	310	4	US-09-229-911A-22
27	690	35.3	304	4	US-09-189-060B-72

28	689	35.2	308	4	US-09-189-060B-70	Sequence 70, Appl
29	687	35.1	222	3	US-08-651-136C-14	Sequence 14, Appl
30	687	35.1	222	4	US-09-229-911A-14	Sequence 14, Appl
31	687	35.1	294	3	US-08-651-136C-24	Sequence 24, Appl
32	687	35.1	294	4	US-09-229-911A-24	Sequence 24, Appl
33	685.5	35.0	286	4	US-09-254-733-3	Sequence 3, Appl
34	683.5	34.9	285	4	US-09-230-225B-6	Sequence 6, Appl
35	683.5	34.9	305	4	US-09-230-665-6	Sequence 1, Appl
36	676.5	34.6	234	4	US-08-090-013-2	Sequence 6, Appl
37	676.5	34.6	305	1	US-08-081-328-2	Sequence 2, Appl
38	676.5	34.6	305	1	US-08-232-249-2	Sequence 2, Appl
39	676.5	34.6	305	2	US-08-921-426-8	Sequence 8, Appl
40	676.5	34.6	305	2	US-08-833-642A-2	Sequence 2, Appl
41	676.5	34.6	305	2	US-08-140-008A-4	Sequence 4, Appl
42	676.5	34.6	305	2	US-08-836-340-1	Sequence 1, Appl
43	676.5	34.6	305	2	US-08-389-423-2	Sequence 2, Appl
44	676.5	34.6	305	3	US-08-816-915-8	Sequence 8, Appl
45	676.5	34.6	305	3	US-08-816-915-8	Sequence 8, Appl

ALIGNMENTS

RESULT 1
US-08-651-136C-2
; Sequence 2, Application US/08651136C
; Patent No. 6001639
GENERAL INFORMATION:
APPLICANT: Schulteis, Martin
APPLICANT: Andersen, Lene N.
APPLICANT: Lassen, Soren F.
APPLICANT: Kauppinen, Markku S.
APPLICANT: Lange, Lene
APPLICANT: Nielsen, Ruby I.
APPLICANT: Ihara, Michiko
APPLICANT: Takagi, Shinobu
TITLE OF INVENTION: No. 6001639e1 Endoglycanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSER: No. 6001639 No. 6001639e1 of No. 6001639th America, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136C
FILING DATE: 21-MAY-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 225 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-651-136C-2

Query Match 38.2%, Score 747, DB 3, Length 225;
Best Local Similarity 57.5%, Pred. No. 2, 1e-52;
Matches 130, Conservative 38, Mismatches 48, Indels 10, Gaps 5;

Page 2

314 CSNLP S A L O A G C K W R F G W P K N A D N P T M T Y K O V T C P K A I T A K S G C S R 35

RESULT 6
US-09-229-911A-6
Sequence 6, Application US/09229911A
Patent No. 6387690

GENERAL INFORMATION:
APPLICANT: Schultein, Martin
Andersen, Lene N.
Laessen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Ihara, Michiko
Takagi, Shinobu

TITLE OF INVENTION: No. 6387690el Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESS: No. 6387690c No. 6387690disk of No. 6387690th America, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/229,911A
FILING DATE: 13-Jan-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/651,136
FILING DATE: 21-MAY-1996

ATTORNEY/AGENT INFORMATION:
NAME: Lambitis, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366,200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 308 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 6:
US-09-229-911A-6

Query Match 38.2%; Score 747; DB 4; Length 308;
Best Local Similarity 57.5%; Pred. No. 3, 1e-52;
Matches 130; Conservative 36; Mismatches 48; Indels 10; Gaps 5;

QY 140 SASTNYSAVSGA-----SGNGETTRYWDCCPSGMPGADYTPVSGNCKDKTLAD-N 194
DB 4 SATTGFLALPYLALDQSGIGQTRRYWDCCPSGMPGADYTPVSGNCKDKTLAD-N 194
QY 195 NTQNGC-VGSSSYTCNDNQPVVSDILAYGFAAASISGSEATWCCACELFTSTAYVKG 253
DB 63 STRSGCDAGSAYWSSGSPVAASVDELSTYGAAYKLAGSSESCWCCACVLEFTSGPVAG 122
QY 254 KKVIVQVNTNTGSDLSNTGAHFDLQMPGGVGIYNGCATQWGAPTDQWGAARYGVSSASD 313
DB 123 KKVIVQVNTNTGSDLSNTGAHFDLQMPGGVGIYNGCATQWGAPTDQWGAARYGVSSASD 313
QY 314 CSNLPALQAGCKMRFKQADNPTMYKQVTCPKAITKSGCSR 359
DB 180 CSNLPALQAGCKMRFKQADNPTMYKQVTCPKAITKSGCSR 359
QY 180 CSNLPALQAGCKMRFKQADNPTMYKQVTCPKAITKSGCSR 359
DB 180 CSNLPALQAGCKMRFKQADNPTMYKQVTCPKAITKSGCSR 359

RESULT 7

US-08-872-437-2
Sequence 2, Application US/08872437
Patent No. 5958082

GENERAL INFORMATION:
APPLICANT: Lund, Henrik
APPLICANT: Kalum, Lisbeth
TITLE OF INVENTION: Garments with Considerable Variation In
TITLE OF INVENTION: Abrasion Level
FILE REFERENCE: 4888,200-US
CURRENT APPLICATION NUMBER: US/08/872,437
CURRENT FILING DATE: 1997-06-10
EARLIER APPLICATION NUMBER: 1276/96
EARLIER FILING DATE: 1996-11-13
NUMBER OF SEQ ID NOS: 2
SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO: 2
LENGTH: 299
TYPE: PRT
ORGANISM: Thielavia terrestris

US-08-872-437-2

Query Match 38.1%; Score 745; DB 2; Length 299;
Best Local Similarity 60.4%; Pred. No. 4, 3e-52;
Matches 128; Conservative 36; Mismatches 42; Indels 6; Gaps 2;

QY 148 VSGASGNGETTRYWDCCPSGMPGADYTPVSGNCKDKTLADNNTQNGCVGSSSYT 207
DB 18 VASAGSGGSTRYWDCCPSGMPGADYTPVSGNCKDKTLADNNTQNGCVGSSSYT 207

QY 208 CNQNPVWSDILAYGFAAASISGSEATWCCACELFTSTAYVKGKVVQVNTNTGSD 267
DB 78 CADOTPAVAVNDILAYGFAAASISGSEATWCCACELFTSTAYVKGKVVQVNTNTGSD 267

QY 268 GSNTHAFDLOMPGGVGIYNGCATQWGAPTDQWGAARYGVSSASDCCNLPALQAGCK 327
DB 138 GSN---QFDIAMPGGVGIYNGCATQWGAPTDQWGAARYGVSSASDCCNLPALQAGCK 327

QY 328 RFGWFKQADNPTMYKQVTCPKAITKSGCSR 359
DB 192 RFGWFKQADNPTMYKQVTCPKAITKSGCSR 359

RESULT 8
US-08-651-136C-12
Sequence 12, Application US/08651136C
Patent No. 6001639

GENERAL INFORMATION:
APPLICANT: Schultein, Martin
Andersen, Lene N.
Laessen, Soren F.
Kauppinen, Markus S.
Lange, Lene
Nielsen, Ruby I.
Ihara, Michiko
Takagi, Shinobu
TITLE OF INVENTION: No. 6001639el Endoglucanases
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESS: No. 6001639c No. 6001639disk of No. 6001639th America, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401

COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136C
FILING DATE: 21-MAY-1996
CLASSIFICATION: 435

Wed Jun 18 17:55:48 2003

us-09-807-933b-5.fat

Page 6

QY 333 KNADNPMTYKQVTCRKAITAKSGCSR 359
Db 197 KNADNPMTYKQVTCRKAITAKSGCSR 223

RESULT 11
US-08-090-013-4
Sequence 4, Application US/08090013
Patent No. 5443750
GENERAL INFORMATION:
APPLICANT: CONVENTS, ANDRE C
APPLICANT: BUSCH, ALFRED
APPLICANT: BAECK, ANDRE C
TITLE OF INVENTION: DETERGENT COMPOSITION WITH HIGH ACTIVITY
TITLE OF INVENTION: CELLULASE AND SOFTENING CLAYS
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESS: THE PROCTER & GAMBLE COMPANY
STREET: 5299 SPRING GROVE AVENUE
CITY: CINCINNATI
STATE: OHIO
COUNTRY: USA
ZIP: 45217
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/090,013
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 91202880.0
FILING DATE: 06-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: PATEL, KEN K.
REGISTRATION NUMBER: 33,988
REFERENCE/DOCKET NUMBER: CM393
TELECOMMUNICATION INFORMATION:
TELEPHONE: 513-627-6437
TELEFAX: 513-627-4854
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 376 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-090-013-4

Query Match 36.9%; Score 722.5; DB 1; Length 376;
Best Local Similarity 59.8%; Pred. No. 3.6e-50;
Matches 128; Conservative 31; Mismatches 48; Indels 7; Gaps 4;
QY 147 AVSGASGNGETTRVWDCCKPSCGMPGADVTSPVSGCNKGKTLADNNTONGCV-GGSS 205
Db 14 AVS-AASGSGHSTRVWDCCKPSCGSGAAVAVAPALTCNDNDPISNTNVAVNGCEGGGSA 72
QY 206 YTCNDNOPVWVSDLAAYGFPAASISGSGSEATWCCACFELFTSTAVYKGMVAVQVNTGS 265
Db 73 YACTNYSFMAVNDLAVGFPAATKISGSGSEASWCCACVALTFTTGPVKGMVAVQVNTGS 132
QY 266 DLGNTGAFPLDLPMPGGVGIYNGCATOWGAPTDGMDGARYGVSSASDSCNLPALONGC 325
Db 133 DLGNTGAFPLDLPMPGGVGIYNGCATOWGAPTDGMDGARYGVSSASDSCNLPALONGC 187
QY 326 KMRFGMFRNADNPMTYKQVTCRKAITAKSGCSR 359
Db 188 HMRFGMFRNADNPMTYKQVTCRKAITAKSGCSR 221

RESULT 12
US-08-081-328-4

Sequence 4, Application US/08081328
Patent No. 5520838
GENERAL INFORMATION:
APPLICANT: BAECK, ANDRE C.
APPLICANT: CEULEMANS, RAPHAEL ANGELINE A.
APPLICANT: BUSCH, ALFRED (NMN)
TITLE OF INVENTION: COMPACT DETERGENT COMPOSITIONS WITH
TITLE OF INVENTION: HIGH ACTIVITY CELLULASE
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESS: THE PROCTER & GAMBLE COMPANY
STREET: 11810 East Miami River Road
CITY: CINCINNATI
STATE: OHIO
COUNTRY: USA
ZIP: 45253-8707
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/081,328
FILING DATE: 11/19/93
CLASSIFICATION: 252
ATTORNEY/AGENT INFORMATION:
NAME: ZERBY, KIM WILLIAM
REGISTRATION NUMBER: 32,323
REFERENCE/DOCKET NUMBER: CM356M
TELECOMMUNICATION INFORMATION:
TELEPHONE: 513-627-2885
TELEFAX: 513-627-0318
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 376 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-081-328-4

Query Match 36.9%; Score 722.5; DB 1; Length 376;
Best Local Similarity 59.8%; Pred. No. 3.6e-50;
Matches 128; Conservative 31; Mismatches 48; Indels 7; Gaps 4;
QY 147 AVSGASGNGETTRVWDCCKPSCGMPGADVTSPVSGCNKGKTLADNNTONGCV-GGSS 205
Db 14 AVS-AASGSGHSTRVWDCCKPSCGSGAAVAVAPALTCNDNDPISNTNVAVNGCEGGGSA 72
QY 206 YTCNDNOPVWVSDLAAYGFPAASISGSGSEATWCCACFELFTSTAVYKGMVAVQVNTGS 265
Db 73 YACTNYSFMAVNDLAVGFPAATKISGSGSEASWCCACVALTFTTGPVKGMVAVQVNTGS 132
QY 266 DLGNTGAFPLDLPMPGGVGIYNGCATOWGAPTDGMDGARYGVSSASDSCNLPALONGC 325
Db 133 DLGNTGAFPLDLPMPGGVGIYNGCATOWGAPTDGMDGARYGVSSASDSCNLPALONGC 187
QY 326 KMRFGMFRNADNPMTYKQVTCRKAITAKSGCSR 359
Db 188 HMRFGMFRNADNPMTYKQVTCRKAITAKSGCSR 221

RESULT 13
US-08-232-249-4
Sequence 4, Application US/0823249
Patent No. 5610129
GENERAL INFORMATION:
APPLICANT: MCCORODALE, FINLAY (NMN)
APPLICANT: BUSCH, ALFRED (NMN)
TITLE OF INVENTION: DYE TRANSFER INHIBITING COMPOSITIONS
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESS: THE PROCTER & GAMBLE COMPANY
STREET: 5299 SPRING GROVE AVENUE

CITY: CINCINNATI
STATE: OHIO
COUNTRY: USA
ZIP: 45217
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,249
FILING DATE: 05-MAY-1994
CLASSIFICATION: 510
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 91202882.6
FILING DATE: 06-NOV-91
ATTORNEY/AGENT INFORMATION:
NAME: ALLEN, GEORGE W.
REGISTRATION NUMBER: 26,143
REFERENCE/DOCKET NUMBER: CM-395
TELEPHONE: 513-627-5946
TELEFAX: 513-627-8118
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 376 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-232-249-4

Query March 36.9%; Score 722.5; DB 1; Length 376;
Best Local Similarity 59.8%; Pred. No. 3.6e-50;
Matches 128; Conservative 31; Mismatches 48; Indels 7; Gaps 4;

QY 147 AVSGASGNGETTRWYDCKPSCSWPGKADVTSPVSGCNKDKTLADNNTONGCV-GSSS 205
DB 14 AVS-AASGSHSTRWYDCKPSCSWSGKAANAPALTCDDNDPISNTNANVNGEGGSSA 72
QY 206 YTCNDNQPVVSDLAYGPAASISGSEATWCCACBELFTSTAVYKGMVQVNTGGS 265
DB 73 YACTNYPMAVNDLAYGFAATKISGSEASWCCACVALFTTGPVYKGMIVQSTVTTGG 132
QY 266 DLGNTGAHFDLQMPGGVGTINCCATQWGAPTDGMGARVGVSSASADCSNLPALQAGC 325
DB 133 DLGN--HFDLMPGGVGIFDCTSEFGALG--GAQYGGISRSRSCDSYPELLKDG 187
QY 326 KMRPGFKNADNPMTYKQVTCPRATYKSGCSR 359
DB 188 HMRFDWFENADNPFTFEQVQCPKALDISGCKR 221

RESULT 14
US-08-833-642A-4
Sequence 4, Application US/08833642A
Patent No. 5883066
GENERAL INFORMATION:
APPLICANT: Ivan M. A. J. Herbots et al.
TITLE OF INVENTION: Liquid Detergent Compositions
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Jackie Ann Zurcher
ADDRESS: Dinmore & Strohl LLP
STREET: 255 E. Fifth Street
CITY: Cincinnati
STATE: Ohio
COUNTRY: USA
ZIP: 45202
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch
COMPUTER: IBM PC Compatible

OPERATING SYSTEM: MS-DOS
SOFTWARE: WordPerfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/833,642A
FILING DATE: April 8, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Zurcher, J. A.
REGISTRATION NUMBER: P42,251
REFERENCE/DOCKET NUMBER: CM551C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (513) 977-8377
TELEFAX: (513) 977-8141
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 376 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-833-642A-4

Query March 36.9%; Score 722.5; DB 2; Length 376;
Best Local Similarity 59.8%; Pred. No. 3.6e-50;
Matches 128; Conservative 31; Mismatches 48; Indels 7; Gaps 4;

QY 147 AVSGASGNGETTRWYDCKPSCSWPGKADVTSPVSGCNKDKTLADNNTONGCV-GSSS 205
DB 14 AVS-AASGSHSTRWYDCKPSCSWSGKAANAPALTCDDNDPISNTNANVNGEGGSSA 72
QY 206 YTCNDNQPVVSDLAYGPAASISGSEATWCCACBELFTSTAVYKGMVQVNTGGS 265
DB 73 YACTNYPMAVNDLAYGFAATKISGSEASWCCACVALFTTGPVYKGMIVQSTVTTGG 132
QY 266 DLGNTGAHFDLQMPGGVGTINCCATQWGAPTDGMGARVGVSSASADCSNLPALQAGC 325
DB 133 DLGN--HFDLMPGGVGIFDCTSEFGALG--GAQYGGISRSRSCDSYPELLKDG 187
QY 326 KMRPGFKNADNPMTYKQVTCPRATYKSGCSR 359
DB 188 HMRFDWFENADNPFTFEQVQCPKALDISGCKR 221

RESULT 15
US-08-389-423-4
Sequence 4, Application US/08389423
Patent No. 5948672
GENERAL INFORMATION:
APPLICANT: Rasmussen, Grethe
APPLICANT: Mikelsen, Jan Moller
APPLICANT: Schuelein, Martin
APPLICANT: Parker, Shankant A.
TITLE OF INVENTION: A Cellulase Preparation Comprising an
NUMBER OF SEQUENCES: 33
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 5948672 No. 5948672th America, Inc.
STREET: 405 Lexington Avenue, 64th Floor
CITY: New York
STATE: New York
COUNTRY: United States of America
ZIP: 10174-6401
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/389,423
FILING DATE: 14-FEB-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lambiris, Elias J.
REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 3469.214-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 376 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-389-423-4

Query Match 36.9%; Score 722.5; DB 2; Length 376;
Best Local Similarity 59.8%; Pred No. 3.6e-50;
Matches 128; Conservative 31; Mismatches 48; Indels 7; Gaps 4;
QY 147 AVSGASGNGETTRYWDCKPSCSWPGKADVTSVVGSCNKGKTLADNNTONGV-GSSS 205
DB 14 AVS-AASGSGHSTRVWDCKPSCSWGKAANAPALTCDKNDNPISNTYAVNGCEGGSA 72
QY 206 YTCNDNQPVVSDDLAYGPAASISGSGEATWCCACFELTFTSTAVKGGKQWVQVNTGS 265
DB 73 YACTNYSPPAVNDELAAYGPAATKISGSGEASWCCACYALFTTGPVKGKMTVQSTNTGG 132
QY 266 DLGSNTGAPHDLOMPGGGVGIYNGCATOWGAPTDGWARVGVSSASDCSNLPSALQAGC 325
DB 133 DLGDN--HFDLMPGGGVGIFDGTSEFGKALG--GAQYGGISSRSECDSTPELLKQGC 187
QY 326 KWRFGWFKQADNPMTYKQVTCPKAITAKSGCSR 359
DB 188 HWRFDWFENADNPDTFEQVQCPKALIDISGCKR 221

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